

Appl. No. 09/724,569  
Amdt. dated April 5, 2005  
Reply to Office Action of December 29, 2005

PATENT

**Amendments to the Specification:**

Please replace paragraph 44 with the following replacement paragraph:

FIG. 5 shows the full length amino acid sequence of  $\beta$ -secretase 1-501 (SEQ ID NO: 2), including the ORF which encodes it (SEQ ID NO: 1), with certain features indicated, such as "active-D" sites indicating the aspartic acid active catalytic sites, a transmembrane region commencing at position 453, as well as leader ("Signal") sequence (residues 1-21; SEQ ID NO: 46) and putative pro region (residues 22-45; SEQ ID NO: 47) and where the polynucleotide region corresponding the preenzyme mature enzyme region corresponding to amino acids 46-501 (SEQ ID NO: 43)(nt 135-1503) is shown as SEQ ID NO: 44 and contains an internal peptide region (SEQ ID NO:56) and a transmembrane region (SEQ ID NO:62).